

# Claims

- [c1] 1. An electrical conducting cable comprising:
  - (a) a conductive core having terminal lugs at each end;
  - (b) a flexible, gas impermeable sheath which is hermetically sealed to each of the terminal lugs.
- [c2] 2. The cable of claim 1 wherein the conductive core comprises copper, nickel, aluminum, or silver, or alloys thereof.
- [c3] 3. The cable of claim 2 wherein the conductive core comprises copper.
- [c4] 4. The cable of claim 1 wherein the flexible sheath comprises a corrugated metal resistant to oxidation.
- [c5] 5. The cable of claim 4 wherein the corrugated metal comprises a stainless steel.
- [c6] 6. An electrical conducting cable consisting essentially of:
  - (a) a conductive core having terminal lugs at each end;
  - (b) a flexible, gas impermeable sheath which is hermetically sealed to each of the terminal lugs.
- [c7] 7. The cable of claim 6 wherein the conductor core comprises copper, nickel, aluminium, or silver, or alloys

thereof.

- [c8] 8.The cable of claim 7 wherein the conductive core comprises copper.
- [c9] 9.The cable of claim 6 wherein the flexible sheath comprises a corrugated metal resistant to oxidation.
- [c10] 10.The cable of claim 9 wherein the corrugated metal comprises a stainless steel.